

What is claimed is:

1. A method for limiting the speed of a transporter having a motorized drive arrangement, the method comprising:
 - a. calculating a plurality of maximum speeds based on at least one of a margin of torque and a margin of motor speed specified to provide stable operation under specified sets of operating conditions;
 - b. determining a speed limit locus in a plane of motor speed and motor torque such that the speed of the transporter exceeds no maximum speed determined in step (a); and
 - c. limiting operation of the motorized drive arrangement to preclude extended operation of the transporter at a speed exceeding the intervention locus.
2. A method in accordance with claim 1, wherein the step of limiting operation includes shutting down the motorized drive arrangement if a specified torque margin may not be maintained.